

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/506471.app.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/16 14:12
S2	32	"257".clas. and (qubit (quantum near5 information)) and spin and donor and (gate control\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/10 18:33
S3	5	(qubit quantum near5 bit) same (silicon si) near10 ("SiO.sub.2" silicon near1 dioxide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/10 19:10
S5	6	(qubit quantum near5 bit) and (silicon si) near10 ("SiO.sub.2" silicon near1 dioxide) near10 channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/10 19:12
S4	92	(qubit quantum near5 bit) and (silicon si) near10 ("SiO.sub.2" silicon near1 dioxide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/10 19:12
S6	4	S5 not S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/10 19:13
S7	17	(room near3 temperature near5 thermal near5 energy) and excitation near2 energy and noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 09:37

## EAST Search History (Prior Art)

S9	8	spin same electron same hole same quantum same transistor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 11:47
S8	89	spin same electron same hole same transistor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 11:47
S11	44	spin same electron same hole same equivalent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 11:51
S10	0	spin same electron same hole same equivalanet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 11:51
S12	0	donor near10 acceptor same spin same quantum same comput\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 11:57
S13	14	donor near10 acceptor and spin same quantum same comput\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 11:58
S14	21	("20020066915"   "20020130311"   "20030047796"   "20030098488"   "20040075123"   "20040132254"   "20040150024"   "5787253"   "5841170"   "5981316"   "6068698"   "6127702"   "6306709"   "6380036"   "6498376"   "6586785"   "6617647"   "6706597"   "6756236"   "6791338").PN. OR ("7015546").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/16 12:09

## EAST Search History (Prior Art)

S15	1	"6664559".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/16 12:11
S16	30	qubit same heterostructure	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/16 12:55
S18	118	(257/9,432,14,e29.168,e31.002,e31.052, e31.053,e31.054,e31.073,e31.093,e31.103). ccls. and (qubit quantum near2 comput\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 16:21
S17	5077	(257/9,432,14,e29.168,e31.002,e31.052, e31.053,e31.054,e31.073,e31.093,e31.103). ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 16:21
S20	250	(257/9,432,14,e29.168,e31.002,e31.052, e31.053,e31.054,e31.073,e31.093,e31.103). ccls. and (qubit quantum near2 comput\$4 spintronic\$3 spin same (electron hole))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 16:22
S19	129	(257/9,432,14,e29.168,e31.002,e31.052, e31.053,e31.054,e31.073,e31.093,e31.103). ccls. and (qubit quantum near2 comput\$4 spintronic\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 16:22
S21	139	(257/9,432,14,e29.168,e31.002,e31.052, e31.053,e31.054,e31.073,e31.093,e31.103). ccls. and (qubit quantum near2 comput\$4 spintronic\$3 spin same (electron hole) same (inrteract\$4 coupl\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 16:23
S22	141	(257/9,432,14,428,e29.168,e31.002,e31. 052,e31.053,e31.054,e31.073,e31.093,e31. 103).ccls. and (qubit quantum near2 comput\$4 spintronic\$3 spin same (electron hole) same (inrteract\$4 coupl\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/16 16:38

## EAST Search History (Prior Art)

S23	91	qubit and spin and enhanc\$4 and interaction and (first and second) near5 state	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/13 18:59
S24	1	qubit same spin same enhanc\$4 same interaction same (first and second) near5 state	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/13 19:00
S25	85	qubit and spin and enhanc\$4 and interaction and (first same second) near5 state	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/13 19:01
S26	99	qubit and spin and enhanc\$4 and interaction and ((ground same excited) (first same second)) near5 state	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/13 19:02
S27	253	(257/9,14,212,414,428,431,432,608-612, e29.168,e31.002,e31.052,e31.053,e31.054, e31.073,e31.093,e31.103 977/932-934). ccls. and (qubit quantum near2 (information comput\$4) spintronic\$3 spin same (electron hole) same (inrteract\$4 coupl\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 11:31
S29	112	S27 not S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 11:34
S28	141	(257/9,432,14,428,e29.168,e31.002,e31.052,e31.053,e31.054,e31.073,e31.093,e31.103).ccls. and (qubit quantum near2 comput\$4 spintronic\$3 spin same (electron hole) same (inrteract\$4 coupl\$4)) and @PD<="20090816"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/14 11:34

## EAST Search History (Prior Art)

L6	13	rare near1 earth same dop\$4 same (silicon si) same deep	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/21 11:42
----	----	--	--	----	----	------------------

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S33	141	(257/9,432,14,428,e29.168,e31.002,e31.052,e31.053,e31.054,e31.073,e31.093,e31.103).ccls. and (qubit quantum near2 comput\$4 spintronic\$3 spin same (electron hole) same (interact\$4 coupl\$4)) and @PD<="20090816"	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 11:47
S32	261	(257/9,14,212,414,428,431,432,608-612,e29.168,e31.002,e31.052,e31.053,e31.054,e31.073,e31.093,e31.103 977/932-934).ccls. and (qubit quantum near2 (information comput\$4) spintronic\$3 spin same (electron hole) same (interact\$4 coupl\$4))	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 11:47
S35	120	S32 not S33	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 11:48
S36	1	((Stoneham near2 Arthur) (Fisher near2 Andrew) (Greenland near2 Philip)).in. and (qubit quantum near2 (information comput\$4))	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/14 11:51